

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
12 May 2005 (12.05.2005)

PCT

(10) International Publication Number
WO 2005/042729 A1

- (51) International Patent Classification⁷: **C12N 5/08**
- (21) International Application Number:
PCT/AU2004/001493
- (22) International Filing Date: 28 October 2004 (28.10.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
2003905953 29 October 2003 (29.10.2003) AU
- (71) Applicant (for all designated States except US): **THE CORPORATION OF THE TRUSTEES OF THE ORDER OF THE SISTERS OF MERCY IN QUEENSLAND** [AU/AU]; Raymond Terrace, South Brisbane, Queensland 4101 (AU).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **HART, Derek, Nigel, John** [NZ/AU]; 3 Borva Street, Dutton Park, Queensland 4102 (AU). **CLARK, Georgina, Jane** [AU/AU]; 3 Borva Street, Dutton Park, Queensland 4102 (AU).
- (74) Agents: **HUGHES, E., John, L.** et al.; Davies Collison Cave, 1 Nicholson Street, Victoria, Melbourne 3000 (AU).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ISOLATED CD4+ T CELLS DEFINED BY CMRF-35 AND CD45RO

(57) Abstract: The present invention relates generally to a method for the treatment or prophylaxis of a condition which provokes, or is exacerbated by, an immunological response. The present invention further enables methods of diagnosis of conditions which provoke, or are exacerbated by, an immunological response. The present invention further provides therapeutic and diagnostic agents for conditions which provoke, or are exacerbated by, an immunological response. The present invention further provides compositions of cells defining a sub-population of CD4+ T cells defined by CMRF-35 and CD45RO.

WO 2005/042729 A1